



State of Utah

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Environmental Quality

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cc: Paul
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M0370088

June 8, 2007

Mr. Lantz Indergard, P.G.
Environmental Manager
Lisbon Valley Mining Company
P.O. Box 248
920 S County Road 313
La Sal, UT 84530

Dear Mr. Indergard:

Subject: Required Overliner Thickness for Haul Truck Access
Lisbon Valley Mining, La Sal, Utah: **DWQ Approval**

The Utah Division of Water Quality (DWQ) received an engineering evaluation report on June 4, 2007 prepared by Golder Associates Inc. for Lisbon Valley Mining. The purpose of the evaluation was to determine the thickness of the overliner and ore required to protect the leach pad geomembrane from damage by haul truck access above the geomembrane. Based on a review of the report, the results of the evaluation indicate that a minimum depth of 7.2 feet of material is required to dissipate the stresses so that the geomembrane liner will be protected.

The subject report also recommended that construction quality assurance (CQA) be conducted to verify a minimum depth of 7.2 feet for the haul roads. Since there were no details of how the ore will be hauled and placed, or how that CQA will be performed, DWQ recommends increasing the minimum depth of protective material to 8.0 feet to add in a factor of safety.

If you have any questions about this letter please contact me at (801) 538-6067 or wwcampbell@utah.gov.

Sincerely,

Woodrow W. Campbell

Woodrow W. Campbell, P.E.
Environmental Engineer
Ground Water Protection Section

WWC/RFH:mr

Cc: Dave Arriotti, SE District Engineer
Paul Baker, DOGM

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